Page 1

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        DEC 14
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                 CA/CAplus to be enhanced with updated IPC codes
        DEC 21
NEWS
                 IPC search and display fields enhanced in CA/CAplus with the
                 IPC reform
        DEC 23
                 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
NEWS
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NEWS 9
         JAN 13
                 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
                 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to
NEWS 10
         JAN 13
                 INPADOC
NEWS 11
         JAN 17
                 Pre-1988 INPI data added to MARPAT
NEWS 12
         JAN 17
                 IPC 8 in the WPI family of databases including WPIFV
NEWS 13
         JAN 30
                 Saved answer limit increased
NEWS 14
        JAN 31
                 Monthly current-awareness alert (SDI) frequency
                 added to TULSA
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NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
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Page 2

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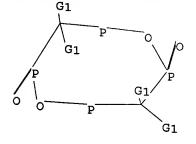
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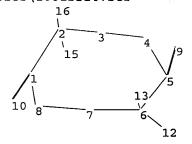
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9 10 12 13 15 16

ring nodes :

1 2 3 4 5 6 7 8

chain bonds :

1-10 2-15 2-16 5-9 6-12 6-13

ring bonds :

1-2 1-8 2-3 3-4 4-5 5-6 6-7 7-8

exact/norm bonds :

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Match level :

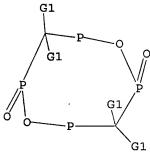
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L1 STRUCTURE UPLOADED

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L1 HAS NO ANSWERS

L1 STR



G1 H, X

Structure attributes must be viewed using STN Express query preparation.

=> s l1

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SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 5 TO 234
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

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FULL SEARCH INITIATED 14:06:03 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 140 TO ITERATE

100.0% PROCESSED 140 ITERATIONS 30 ANSWERS

SEARCH TIME: 00.00.01

L3 30 SEA SSS FUL L1

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FULL ESTIMATED COST

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=> s 13

L4 3 L3

=> d abs fbib hitstr 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

AB 2-(4-Nitrophenylethyl) methylenebis(phosphonate) has been prepared by reaction of 2-(4-nitrophenyl)ethyl alc. with methylenebis(phosphonyl) tetrachloride. This compound was treated with diisopropylcarbodiimide (DIC) to give the bicyclic intermediate, which in reaction with suitably protected 2'-deoxynucleosides gave P1,P2-disubstituted methylenebis(phosphonate)s. Removal of the nitrophenylethyl group by β-elimination with DBU afforded the corresponding 2'-deoxynucleoside 5'-methylenebis(phosphonate) analogs.

AN 1998:667136 CAPLUS

DN 129:343664

TI Synthesis of 2'-decxynucleoside 5'-methylenebis(phosphonate)s using 2-(4-nitrophenyl)et'nyl methylenebis(phosphonate) as the phosphonylating agent

AU Lesiak, Krystyna; Vatanabe, Kyoichi A.; Pankiewicz, Krzysztof W.

CS Division of Medicinal Chemistry, Codon Pharmaceuticals, Inc., Gaithersburg, MD, 20877, USA

SO Nucleosides & Nucleotides (1998), 17(9-11), 1857-1860 CODEN: NUNUD5; ISSN: 0732-8311

PB Marcel Dekker, Inc.

DT Journal

LA English

IT 215586-43-9P

Dategood

10812214

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of deoxynucleoside methylenebis(phosphonate)s using (nitrophenyl)ethyl methylene bis(phosphonate) as the phosphonylating agent)

RN 215586-43-9 CAPLUS

CN 2,6,9-Trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane, 3,7-bis[2-(4-nitrophenyl)ethoxy]-, 3,7-dioxide (9CI) (CA INDEX NAME)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN GI

AB Preparation of nucleotide bicyclic tris(anhydride)s I (Z, Z1 = alkyl, aralkyl, aryl, aminoalkyl, alkyloxy, aralkyloxy, alkylamino, aralkylamino, alkylmercaptan, aralkylmercaptan, arylmercaptan, sugar, nucleoside, steroid, glyceride; X = CH2, halo-methylene, NHR; R = H, alkyl) useful as intermediates in the synthesis of biol. active compds., and the compds. which may be synthesized from such intermediates, is reported. Thus, P1-[9-(3'-fluoro-3'-deoxy-β-D-arabinofuranosyl)-hypoxanthin-5'-yl]-P2-[7-hydroxy-5-methoxy-4-methylphthalan-1-on-6-yl-(3'-methyloct-2'-ene-8'-yl)]methylene-bis(phosphonate) was prepared

AN 1998:239233 CAPLUS

DN 128:321865

TI Preparation of nucleotide tetraphosphonate bicyclic trisanhydrides

IN Pankiewicz, Krzysztof W.; Lesiak, Krystyna; Watanabe, Kyoichi A.

PA Codon Pharmaceuticals, Inc., USA

SO PCT Int. Appl., 144 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 9815563 A1 19980416 WO 1997-US18323 19971009

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PATENT FAMILY INFORMATION:

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     206647-80-5P
     RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP
     (Preparation)
        (preparation of nucleotide tetraphosphonate bicyclic trisanhydrides)
RN
     20664~-53-2 CAPLUS
     Adenosine, 5',5'''-0-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-
CN
     tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)
```

PAGE 1-B

PAGE 1-A

RN 206647-54-3 CAPLUS

CN β-D-Arabinofuranose, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetrar hosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-(6-amino-9H-purin-9-yl)-1,2-dideoxy-2-fluoro-(9CI) (CA INDEX NAME)

PAGE 1-B

RN 206647-55-4 CAPLUS

CN β-D-Xylofuranose, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-(6-amino-9H-purin-9-yl)-1,3-dideoxy-3-fluoro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

PAGE 1-B

RN 206647-56-5 CAPLUS

CN Adenosine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[2'-deoxy-2'-fluoro-(9CI)(CA INDEX NAME)

PAGE 1-B

PAGE 1-A

RN 206647-57-6 CAPLUS
CN Adenosine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[3'-deoxy-3'-fluoro-(9CI)(CA INDEX NAME)

Page 11

PAGE 1-B

RN 206647-58-7 CAPLUS

CN Inosine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

PAGE 1-B

RN 206647-59-8 CAPLUS

CN Guanosine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 206647-60-1 CAPLUS
CN Uridine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 206647-61-2 CAPLUS
CN Cytidine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7 tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[N-acetyl- (9CI) (CA INDEX NAME)

Page 13

PAGE 1-A

PAGE 1-B

\_\_NHAc

RN 206647-62-3 CAPLUS

CN Thymidine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 206647-63-4 CAPLUS

CN D-erythro-Pentitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-[3-(aminocarbonyl)-2-thiazolyl]-1,4-anhydro-2-deoxy-, (1R,1'R)- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 206647-64-5 CAPLUS
CN D-Ribitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-[3-(aminocarbonyl)phenyl]-1,4-anhydro-, (15,1'S)- (9CI) (CA INDEX NAME)

Page 15

PAGE 1-B

RN 206647-65-6 CAPLUS

CN D-Ribitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1,4-anhydro-1-C-(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-, (1S,1'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 206647-66-7 CAPLUS

CN D-Ribitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-(2-amino-1,4-dihydro-4-oxo-5-pyrimidinyl)-1,4-anhydro-, (1S,1'S)- (9CI) (CA INDEX NAME)

Page 16

PAGE 1-B

 $_{NH_2}$ 

RN 206647-67-8 CAPLUS

CN D-Ribitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-(4-amino-5H-pyrrolo[3,2-d]pyrimidin-7-yl)-1,4-anhydro-, (1S,1'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

PAGE 1-B

RN 206647-68-9 CAPLUS

CN D-Ribitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1,4-anhydro-1-C-(4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl)-, (1S,1'S)- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 206647-69-0 CAPLUS
CN D-Ribitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-(2-amino-4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl)-1,4-anhydro-, (1S,1'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

$$H_2N$$
 $H_2N$ 
 $H_3$ 
 $H_4$ 
 $H_5$ 
 $H_6$ 
 $H_7$ 
 $H_8$ 
 $H_8$ 
 $H_9$ 
 $H_$ 

PAGE 1-B

RN 206647-70-3 CAPLUS

CN Adenosine, 5',5'''-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

PAGE 1-B

RN 206647-71-4 CAPLUS

CN Inosine, 5',5'''-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis-(9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 206647-72-5 CAPLUS

CN Guanosine, 5',5'''-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

HO OH

$$R$$
 S

 $R$  S

 $R$  P

 $R$  P

 $R$  R

 $R$  R

PAGE 1-B

RN 206647-73-6 CAPLUS

CN Thymidine, 5',5'''-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 206647-74-7 CAPLUS

CN D-erythro-Pentitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-[3-(aminocarbonyl)-2-thiazolyl]-1,4-anhydro-2-deoxy-, (1R,1'R)- (9CI) (CA INDEX NAME)

PAGE 1-B

RN 206647-75-8 CAPLUS

CN D-Ribitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-[3-(aminocarbonyl)phenyl]-1,4-anhydro-, (1S,1'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-B

RN 206647-76-9 CAPLUS

CN D-Ribitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1,4-anhydro-1-C-(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-, (1S,1'S)- (9CI) (CA INDEX

NAME)

Absolute stereochemistry.

RN 206647-77-0 CAPLUS

CN D-Ribitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-(2-amino-1,4-dihydro-4-oxo-5-pyrimidinyl)-1,4-anhydro-, (1S,1'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-B

\_NH2

RN 206647-78-1 CAPLUS

CN D-Ribitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-(4-amino-5H-pyrrolo[3,2-d]pyrimidin-7-yl)-1,4-anhydro-, (1S,1'S)- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 206647-79-2 CAPLUS

CN D-Ribitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1,4-anhydro-1-C-(4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl)-, (1S,1'S)- (9CI) (CA INDEX NAME)

PAGE 1-B

RN 206647-80-5 CAPLUS

CN D-Ribitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-(2-amino-4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl)-1,4-anhydro-, (1S,1'S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

HO OH

$$R S$$
 $R S$ 
 $R S$ 

PAGE 1-B

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
- GI For diagram(s), see printed CA Issue.
- AB Methylenediphosphonic acid was condensed with dicyclohexylcarbodiimide through a number of intermediate species to the unionized birdcage anhydride (I), identified by 31P NMR. I is a phosphonic analog of P205.

The intermediate mol. species were identified and the course of the reaction studied. Phosphoric acids were also condensed to carbodiimide bird-cage P4010 adducts.

AN 1975:458940 CAPLUS

DN 83:58940

TI Full anhydrization of methylenediphosphonic acid and of phosphoric acids by a carbodiimide

AU Glonek, Thomas: Van Wazer, John R.; Myers, Terrell C.

CS Med. Cent., Univ. Illinois, Chicago, IL, USA

SO Inorganic Chemistry (1975), 14(7), 1597-602

CODEN: INOCAJ; ISSN: 0020-1669

DT Journal

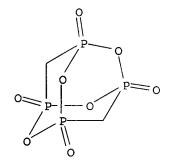
LA English

IT 55644-14-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 55644-14-9 CAPLUS

CN 2,4,6,8-Tetraoxa-1,3,5,7-tetraphosphatricyclo[3.3.1.13,7]decane, 1,3,5,7-tetraoxide (9CI) (CA INDEX NAME)



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368268 1972/SO

L1 10 (11 AND 557 AND 1972)/SO

=> s l1 and glonek

1 GLONEK

L2 0 L1 AND GLONEK

=> d 1-10 abs bib hitstr 11

L1 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

AB Unavailable

```
AN
     1973:448450 CAPLUS
DN
     79:48450
TI
     Radiation imaging properties of pyroelectric detector arrays
ΑU
     Schlosser, Philip A.
CS
     Ohio State Univ., Columbus, OH, USA
SO
     (1972) 184 pp. Avail.: Univ. Microfilms, Ann Arbor, Mich.,
     Order No. 73-11,567
     From: Diss. Abstr. Int. B 1973, 33(11), 5313
DT
     Dissertation
     English
LA
T.7
     ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
     A new hollow fiber capillary dialyzer was evaluated in intermittent
     hemodialysis. Its clearance values are superior to those of all
     artificial kidneys, except for phosphate clearance. The performance of
     the dialyzer, its tech. aspects, and results in over 1000 hemodialyses are
     discussed.
AN
     1973:415252 CAPLUS
     79:15252
DN
     Capillary dialyzer for hemodialysis
ΤI
     Pinggera, W. F.; Egert, H.; Nelson, M. E.
ΑU
     II. Med. Universitaetsklin., Vienna, Austria
CS
SO
     Wiener Zeitschrift fuer Innere Medizin und Ihre Grenzgebiete (1972
     ), 53(11), 567-73
     CODEN: WZIMAJ; ISSN: 0043-5376
     Journal
DT
     German
LA
L1
     ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
     A review with 5 refs.
AB
     1973:409264 CAPLUS
AN
     79:9264
DN
     Methane hazard in Polish salt mines
TT
ΑU
     Cybulski, Waclaw; Gorol, Czeslaw; Gotkowski, Tadeusz; Sobala, Jerzy
CS
     Inst. Bezpieczenstwa Gorn., Katowice, Pol.
SO
     Pr. Gl. Inst. Gorn., Komun. (1972), No. 567,
     11 pp.
     CODEN: PGIGAT
DT
     Report; General Review
LA
     Polish
     ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
L1
     A review with 19 refs. A systematic approach to research on anovulatory
AB
     drugs is recommended, with emphasis on the need to organize information
     from clin. and chemical studies and on methods of use. A potency scale is
     presented for the most common progestagens.
AN
     1973:92780 CAPLUS
DN
     78:92780
ΤI
     Birth control pills and colpocytology
ΑU
     Moura, A. F. Assis; Ramiro, Jose; Neyde, Hylma
CS
     Hosp. Cent., IASEG, Brazil
     Revista Brasileira de Medicina (1972), 29(11),
SO
     567-78
     CODEN: RBMEAU; ISSN: 0034-7264
DT
     Journal; General Re/iew
                                                                    . . .
LA
     Portuguese
L1
     ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
     For diagram(s), see printed CA Issue.
GI
     Anal. of the ir spectra of the title compds. [I (R and R1 given: Et, Me;
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